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Nonproliferation and International Security

GLOSSARY

<u>Acronym or Name</u>	<u>Definition</u>
A4	Astrophysics, Advanced Analysis and Applications Team (NIS-2)
ABACC	Regional Argentina-Brazil safeguards organization
ACE	Advanced Composition Explorer
ACIS	Arms Control Intelligence Staff
AFSCOM	Air Force Space Command
AFSMC	Air Force Space and Missile Center
AFTAC	Air Force Technical Applications Center
AGU	American Geophysical Union
AIAA	American Institute of Aeronautics and Astronautics
ALD	Associate Laboratory Director
ALDTR	Associate Laboratory Director for Threat Reduction
ALEXIS	Array of Low-Energy X-ray Imaging Sensors
AMISS	Adaptive Multi-sensor Integrated Security System
AMOPP	Atomic, Molecular, Optical, and Plasma Physics, Fluids and Beams (LDRD category)
AMTL	Applied Monitoring and Transparency Laboratory
ANM	Alternative Nuclear Materials
APLA	Anti-Personnel Landmine Alternative
ARII	Advanced RADEC II (NUDET instrument suite)
ARM	Atmospheric Radiation Measurements
BASIS	Biological Air Sampling and Information System
BGO	Bismuth Germanium Oxide
BIO	Biosciences (LDRD category)
BW	Biological Warfare
CALIOPE	Chemical Analysis by Laser Interrogation Of Proliferation Effluents
CAPERS	Comparison of Active and Passive Environmental Remote Sensing
CBNP	Chemical-Biological Nonproliferation Program
CBW	Chemical-Biological Warfare
CFE	Cibola Flight Experiment
CHM	Chemistry (LDRD category)
CIA	Central Intelligence Agency
CIBOLA	Wideband RF detection system
CISA	Center for International Security Affairs
CLUSTER	Four identical spacecraft in future orbits designed to address the structure of electromagnetic fields and the distribution of particles in

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	the solar wind and in the Earth's magnetic field.
CMO	Central MASINT Office
CMOS	Complementary Metal Oxide Semiconductor
CRADA	Cooperative Research and Development Agreement
CSSE	Center for Space Science and Exploration
CSSE	Computer Science and Software Engineering (LDRD category)
CTBT	Comprehensive Test Ban Treaty
CTR	Cooperative Threat Reduction
CWAM	Crated Waste Assay Monitor
CXD	Combined X-Ray/Dosimeter on GPS satellites
CZT	Cadmium Zinc Telluride (Detector material)
DAPS	Deployable Adaptive Processing Systems
DARPA	Defense Advanced Research Projects Agency
DNA	Deoxyribonucleic Acid
DNFSB	Defense Nuclear Facilities Safety Board
DoD	Department of Defense
DOE	Department of Energy
DOE/NN	DOE Nonproliferation and National Security Office
DOJ	Department of Justice
DOS	Department of State
DP	(DOE) Defense Programs office
DPAC	(MTI) Data Processing and Analysis Center
DR	Directed Research
DSP	Defense Support Program
DTRA	Defense Threat Reduction Agency
EES	Earth and Environmental Sciences
EMP	Electromagnetic pulse
ENA	Energetic Neutral Atom imaging
EPA	Environmental Protection Agency
ER	Exploratory Research in LDRD program
ERP	Energetic Radiation and Particles Team in NIS-2
ES	Engineering Sciences (LDRD category)
ES&H	Environment, Safety, and Health
EURATOM	European Atomic Energy Community
FAST	Fast Auroral SnapshoT
FBI	Federal Bureau of Investigation

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FIE	Field Intelligence Element
FMSF	Fissile Materials Storage Facility
FMTTD	Fissile Materials Transparency Technology Demonstration
FMU	Facility Management Unit
FORTÉ	Fast, On-orbit Recording of Transient Events
FPGA	Field Programmable Gate Array
FSU	Former Soviet Union
FTE	Full-time equivalent
GENESIS	NASA satellite to be launched in 2001 designed to capture and return to earth material that blows off the sun.
GENIE	GENetic Image Exploitation algorithms
GODIVA	Pulsed critical assembly at LACEF
GPS	Global Positioning System
GPS/NDS	Global Positioning System/NUDET Detection System
GRBs	Gamma Ray Bursts
GSSA	Geosciences, Space Sciences, and Astrophysics (LDRD category)
HCPS	Hantavirus Cardio-Pulmonary Syndrome
HDBT	Hard and Deeply Buried Targets
HETE-2	High Energy Transient Explorer – 2
HEU	Highly Enriched Uranium
HIRIS	Hyperspectral Infra-Red Imaging Spectrometer
HPM	High Power Microwave
IAEA	International Atomic Energy Agency
IDR	Interim Design Review
IFMS	Integrated Facility Monitoring System
IMAGE	Imager for Magnetopause-to-Aurora Global Exploration
IC	Intelligence Community
ID	Instrumentation and Diagnostics (LDRD category)
IOT	Initial On-orbit Testing
ISEM	Integrated Safeguards Evaluation Methodology
ISODARCO	International Arms Control Conference in Beijing
ISTC	International Science and Technology Center
ISTP	International Solar-Terrestrial Physics program
JAEIC	Joint Atomic Energy Intelligence Committee
JHU/APL	Johns Hopkins University Applied Physics Laboratory
LACEF	Los Alamos Critical Experiments Facility

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LANL	Los Alamos National Laboratory
LASSOR	Los Alamos Solid State Optical Refrigerator
LDRD	Laboratory-Directed Research and Development
LDRD/DR	LDRD Directed Research
LDRD/ER	LDRD Exploratory Research
LOBSTER	Extremely sensitive X-ray all-sky monitor
LTBT	Limited Test Ban Treaty
LWIR	Long-Wave Infra-Red
MASINT	Measurement and Signal Intelligence
MC&A	Materials Control and Accounting
MENA	Medium-Energy Neutral Atoms
MHD	Magneto-Hydro Dynamics
MINATOM	Russian Ministry of Atomic Energy
MOA	Memo of Agreement
MOX	Mixed Oxide
MOXE	Monitoring X-ray Experiment for Astronomy
MPC&A	Materials Protection, Control, and Accounting
MS	Materials Sciences (LDRD category)
MSM	Mathematics Simulation and Modeling (LDRD category)
MTI	Multi-spectral Thermal Imager
MTS	Magazine Transparency System
NASA	National Aeronautics and Space Administration
NBC	Nuclear, Biological, Chemical
NCI	Nuclear Cities Initiative
NDA	Non-Destructive Assay
NEST	Nuclear Emergency Search Team
NIMA	National Imagery and Mapping Agency
NIS	Nonproliferation and International Security Division at LANL
NIS-DO	NIS Division Office
NIS/IT	NIS International Technology program office
NIS/NAC	NIS Nonproliferation and Arms Control program office
NIS/RD	NIS Research and Development program office
NIS/RNP	NIS Russian Nonproliferation Programs office
NISC	Nonproliferation and International Security Center
NISDRC	NIS Division Review Committee
NISSES	NIS Student Education Scholarship

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NMT	Nuclear Materials Technology
NN-20	(DOE) Office of Nonproliferation Research and Engineering
NNSA	National Nuclear Security Administration
NOAA	National Oceanic and Atmospheric Administration
NPC	CIA Non-Proliferation Center
NPP	Nuclear Particle Physics (LDRD category)
NPT	Nonproliferation Treaty
NRO	National Reconnaissance Office
NSG	Nuclear Suppliers Group
NUDET	NUclear DETonation
PATINA	A conceptual study by Los Alamos for a new satellite
PD	Program Development in LDRD program
PDR	Preliminary Design Review
PDT	Proliferation Detection Technology
PFIAB	President's Foreign Intelligence Advisory Board
PHENIX	Detector system at RHIC
PINS	Proliferation Information Network System
POLAR	Satellite launched as part of the ISTP program
POTAS	(U.S.) Program for Technical Assistance to IAEA Safeguards
R&D	Research and Development
RD	Restricted Data
RF	Radio Frequency
RFNC-VNIIEF	Russian Federation Nuclear Center at Sarov
RHIC	Relativistic Heavy Ion Collider
ROSAT	X-ray measuring satellite
ROTSE	Robotic Optical Transient Search Experiment
RSS	Remote Sensing Sciences
RULLI	Remote Ultra-Low Light Imaging
S&T	Science and Technology
SABRS	Space And Atmospheric Burst Reporting System
SAVE	SABRS Validation Experiment
SBIRS	Space-Based Infra-Red System
SAL	Safeguards Analytical Laboratory
SCC	Strategic Computing Complex
SCIF	Sensitive Compartmented-Information Facility
SDSS	Sloan Digital Sky Survey

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<u>Acronym or Name</u>	<u>Definition</u>
SECAS	NASA Sun-Earth Connections Advisory Subcommittee
SHEBA	Solution High-Energy Burst Assembly
SHS	Spatial Heterodyne Spectrometer
SM40	Physics Building in Technical Area 3
SNM	Special Nuclear Materials
SPIE	International Society for Optical Engineering
START III	Strategic Arms Reduction Talks (Round 3)
STB	Science and Technology Base
STCU	Science and Technology Center Ukraine
SVN	Space Vehicle Number
SXG	Spectrum X-Gamma (Russian astrophysics satellite)
TA	Technical Area
TBD	To Be Determined
TNA	Thermal Neutron Analysis
TOPS	Teacher Opportunities to Promote Science
Tri-Lab	Los Alamos, Sandia, and Livermore National Labs
TRG	Technical Review Group
TSM	Technical staff member
TWINS	Future NASA mission involving two satellites
UGS	Unattended Ground Sensor
UN	United Nations
UNARM	Unattended and Remote Monitoring
USG	U. S. Government
USNDS	U.S. Nuclear Detection System
USSPC	United States Space Command
VHF	Very High Frequency
VMTF	Verification Monitoring Task Force
V-Sensor	Verification-Sensor
WIPP	Waste Isolation Pilot Plant
WMD	Weapons of Mass Destruction
WP	Weapons Phenomenology
WWW	World-Wide Web
XMM	High Throughput X-ray Spectroscopy Mission